DIAGNOSTIC REPORT	1. No. 28000001068776			SRL
CLIENT CODE: C000138361				Diagnostics
CLIENT'S NAME AND ADDRESS : ACROFEMI HEALTHCARE LTD (MEDIWHEEL) F-703, LADO SARAI, MEHRAULI SOUTH WEST DELHI NEW DELHI 110030 DELHI INDIA 8800465156	E- NI NI Te CI	EW DELHI, EW DELHI, el : 911159 IN - U74899		rman Vihar Metro
PATIENT NAME : AJEET KUMAR SINGH			PATIENT	ID: AJEEM10029028
ACCESSION NO : 0028VE000539 AGE :	32 Years SEX : Male			
DRAWN : RECEIV	/ED: 14/05/2022 11:14		REPORTED : 17/0	05/2022 14:54
REFERRING DOCTOR : DR. MEDIWHEEL			CLIENT PATI	ENT ID :
Test Report Status <u>Final</u>	Results		Biological Refere	ence Interval Units
MEDI WHEEL FULL BODY HEALTH CHECK	<u>UP BELOW 40 MALE</u>			
HEMOGLOBIN	15.0		13.0 - 17.0	g/dL
METHOD : SPECTROPHOTOMETRY RED BLOOD CELL COUNT	5.28		4.5 - 5.5	mil/µL
METHOD : ELECTRICAL IMPEDANCE WHITE BLOOD CELL COUNT METHOD : ELECTRICAL IMPEDANCE	8.00		4.0 - 10.0	thou/µL
PLATELET COUNT METHOD : ELECTRICAL IMPEDANCE	199		150 - 410	thou/µL
RBC AND PLATELET INDICES				
HEMATOCRIT	45.6		40.0 - 50.0	%
METHOD : CALCULATED PARAMETER				
MEAN CORPUSCULAR VOL	86.3		83.0 - 101.0	fL
METHOD : DERIVED/COULTER PRINCIPLE MEAN CORPUSCULAR HGB.	28.4		27.0 - 32.0	pg
METHOD : CALCULATED PARAMETER	2011		2,10 5210	P9
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION METHOD : CALCULATED PARAMETER	32.9		31.5 - 34.5	g/dL
MENTZER INDEX	16.3			
RED CELL DISTRIBUTION WIDTH METHOD : DERIVED/COULTER PRINCIPLE	15.5	High	11.6 - 14.0	%
MEAN PLATELET VOLUME	9.8		6.8 - 10.9	fL
METHOD : DERIVED/COULTER PRINCIPLE				
WBC DIFFERENTIAL COUNT - NLR				
SEGMENTED NEUTROPHILS METHOD : VCS TECHNOLOGY/ MICROSCOPY	66		40 - 80	%
ABSOLUTE NEUTROPHIL COUNT METHOD : CALCULATED PARAMETER	5.20		2.0 - 7.0	thou/µL
LYMPHOCYTES	23		20 - 40	%
			_0 .0	<i>,</i> ,
METHOD : VCS TECHNOLOGY/ MICROSCOPY			10 20	thou/µL
ABSOLUTE LYMPHOCYTE COUNT METHOD : CALCULATED PARAMETER	1.80		1.0 - 3.0	tilou/µL
ABSOLUTE LYMPHOCYTE COUNT	1.80 2.9		1.0 - 3.0	thou, µr











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REPORTED :

PATIENT NAME : AJEET KUMAR SINGH

PATIENT ID : AJEEM10029028

17/05/2022 14:54

CLIENT PATIENT ID :

ACCESSION NO :	0028VE000539	AGE :	32 Years	SEX :

DRAWN : RECEIVED : 14/05/2022 11:14

REFERRING DOCTOR : DR. MEDIWHEEL

Test Report Status <u>Final</u>	Results	Biological Reference Inter	rval Units
ABSOLUTE EOSINOPHIL COUNT	0.16	0.02 - 0.50	thou/µL
METHOD : CALCULATED PARAMETER			
MONOCYTES	9	2.0 - 10.0	%
METHOD : VCS TECHNOLOGY/ MICROSCOPY			
ABSOLUTE MONOCYTE COUNT	0.70	0.2 - 1.0	thou/µL
METHOD : CALCULATED PARAMETER			
BASOPHILS	0	0 - 1	%
METHOD : VCS TECHNOLOGY/ MICROSCOPY			
DIFFERENTIAL COUNT PERFORMED ON:	EDTA SMEAR		
ERYTHRO SEDIMENTATION RATE, BLOOD			
SEDIMENTATION RATE (ESR)	14	0 - 14	mm at 1 hr
METHOD : WESTERGREN METHOD			
GLUCOSE, FASTING, PLASMA			
GLUCOSE, FASTING, PLASMA	94	74 - 106	mg/dL
METHOD : HEXOKINASE			
GLYCOSYLATED HEMOGLOBIN, EDTA WH	OLE BLOOD		
GLYCOSYLATED HEMOGLOBIN (HBA1C)	5.4	Non-diabetic: < 5.7 Pre-diabetics: 5.7 - 6.4 Diabetics: > or = 6.5 ADA Target: 7.0 Action suggested: > 8.0	%
MEAN PLASMA GLUCOSE	108.3	< 116.0	mg/dL
GLUCOSE, POST-PRANDIAL, PLASMA			
GLUCOSE, POST-PRANDIAL, PLASMA METHOD : HEXOKINASE	107	70 - 140	mg/dL

Male









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REFERRING DOCTOR : DR. MEDI	VHEEL	CLIENT PATIENT ID :
DRAWN :	RECEIVED : 14/05/2022 11:14	REPORTED : 17/05/2022 14:54
ACCESSION NO : 0028VE00053	AGE : 32 Years SEX : Male	
PATIENT NAME : AJEET KUMA	R SINGH	PATIENT ID : AJEEM10029028

Comments

Causes of Low Post Prandial Blood Sugar

The causes of low blood sugar that occurs following a meal have been divided traditionally into

(1)Alimentary

(2)Functional and

(3) That in diabetics and those with impaired glucose tolerance

Alimentary Hypoglycemia usually, but not necessarily, occurs in those patients who have had gastrointestinal surgery. Accelerated absorption of a glucose load leads to marked post - prandial hyperglycemia with a corresponding exaggerated insulin release thus resulting in hypoglycemia the ensuing hypoglycemia typically occurs from one and one half to three hours after eating. This pattern of glucose intolerance and a history of gastrointestinal surgery are suggestive of the diagnosis.

Functional Hypoglycemia is quite common in adults; it may be characterized by abnormally low plasma glucose and symptoms of light headedness, shakiness, diaphoresis, weakness, fatigue occurring with the modest withholding of food. Complaints suggestive of this syndrome commonly are seen in those who have emotional problems.

Post Prandial Hypoglycemia in diabetics: Patients who are diabetics or who have impaired glucose tolerance also may experience reactive hypoglycemia. In these patients, hypoglycemia occurs later than in the group with the alimentary disorder, and insulin response is delayed and exaggerated.

CORONARY RISK PROFILE (LIPID PROFILE), SERUM

CHOLESTEROL	134	< 200 Desirable mg/ 200 - 239 Borderline High >/= 240 High	′dL
METHOD : CHOLESTEROL OXIDASE, ESTERASE, PEROXIDASE			
TRIGLYCERIDES	92	< 150 Normal mg/ 150 - 199 Borderline High 200 - 499 High >/= 500 Very High	′dL
METHOD : ENZYMATIC, END POINT			
HDL CHOLESTEROL	35 Lo	w < 40 Low mg/ >/=60 High	/dL
METHOD : DIRECT MEASURE POLYMER-POLYANION			
DIRECT LDL CHOLESTEROL	79	< 100 Optimal mg/ 100 - 129 Near or above optimal 130 - 160 Borderline High 161 - 189 High >/= 190 Very High	′dL
METHOD : DIRECT MEASURE			
	99	Desirable: Less than 130 mg/ Above Desirable: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very high: > or = 220	′dL

METHOD : CALCULATED PARAMETER











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ACCESSION NO : 0028VE000539 AGE: 32 Years SEX : Male DRAWN :

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CHOL/HDL RATIO	3.8	3.3-4.4 Low Risk 4.5-7.0 Average Risk 7.1-11.0 Moderate Risk > 11.0 High Risk
METHOD : CALCULATED PARAMETER		-
LDL/HDL RATIO	2.3	0.5 - 3.0 Desirable/Low Risk 3.1 - 6.0 Borderline/Moderate Risk >6.0 High Risk
METHOD : CALCULATED PARAMETER		
VERY LOW DENSITY LIPOPROTEIN	18.4	Desirable value : mg/dL 10 - 35
METHOD : CALCULATED PARAMETER		
LIVER FUNCTION PROFILE, SERUM		
BILIRUBIN, TOTAL	0.61	UPTO 1.2 mg/dL
METHOD : DIAZONIUM ION, BLANKED (ROCHE)		
BILIRUBIN, DIRECT	0.21	0.00 - 0.30 mg/dL
METHOD : DIAZOTIZATION		
BILIRUBIN, INDIRECT	0.40	0.00 - 0.60 mg/dL
METHOD : CALCULATED PARAMETER		
TOTAL PROTEIN	7.1	6.6 - 8.7 g/dL
METHOD : BIURET, SERUM BLANK, ENDPOINT		
ALBUMIN	4.5	3.97 - 4.94 g/dL
METHOD : BROMOCRESOL GREEN		
GLOBULIN	2.6	2.0 - 4.0 g/dL Neonates - Pre Mature: 0.29 - 1.04
METHOD : CALCULATED PARAMETER		0.22 2.01
ALBUMIN/GLOBULIN RATIO	1.7	1.0 - 2.0 RATIO
METHOD : CALCULATED PARAMETER		
ASPARTATE AMINOTRANSFERASE (AST/SGOT) METHOD : UV WITHOUT P5P	34	0 - 40 U/L
ALANINE AMINOTRANSFERASE (ALT/SGPT)	61	High 0 - 41 U/L
METHOD : UV WITHOUT P5P		
ALKALINE PHOSPHATASE	102	40 - 129 U/L
METHOD : PNPP, AMP BUFFER-IFCC	22	9 (1
GAMMA GLUTAMYL TRANSFERASE (GGT)	33	8 - 61 U/L
	107	125 225 11/1
LACTATE DEHYDROGENASE	197	135 - 225 U/L





METHOD : L TO P, IFCC









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ACCESSION NO : 0028VE000539 AGE: 32 Years SEX : Male DRAWN :

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REFERRING DOCTOR : DR. MEDIWHEEL

Test Report Status <u>Final</u>	Results	Biological Reference Interva	al Units
BLOOD UREA NITROGEN	15	6 - 20	mg/dL
METHOD : UREASE - UV			
CREATININE, SERUM			
CREATININE	0.85	0.70 - 1.20	mg/dL
METHOD : ALKALINE PICRATE-KINETIC			
BUN/CREAT RATIO			
BUN/CREAT RATIO	17.65 Hig	h 5.00 - 15.00	
METHOD : CALCULATED PARAMETER			
URIC ACID, SERUM			
URIC ACID	6.1	3.4 - 7.0	mg/dL
METHOD : URICASE, COLORIMETRIC			
TOTAL PROTEIN, SERUM			
TOTAL PROTEIN	7.1	6.6 - 8.7	g/dL
METHOD : BIURET, SERUM BLANK, ENDPOINT			
ALBUMIN, SERUM			
ALBUMIN	4.5	3.97 - 4.94	g/dL
METHOD : BROMOCRESOL GREEN			
GLOBULIN			
GLOBULIN	2.6	2.0 - 4.0 Neonates - Pre Mature: 0.29 - 1.04	g/dL
METHOD : CALCULATED PARAMETER			
ELECTROLYTES (NA/K/CL), SERUM			
SODIUM	137	136 - 145	mmol/L
METHOD : ISE INDIRECT			
POTASSIUM	3.81	3.5 - 5.1	mmol/L
METHOD : ISE INDIRECT			
CHLORIDE	101	98 - 107	mmol/L
METHOD : ISE INDIRECT			
PHYSICAL EXAMINATION, URINE			
COLOR	PALE YELLOW		
METHOD : VISUAL			
APPEARANCE	CLEAR		
METHOD : VISUAL			
SPECIFIC GRAVITY	<=1.005	1.003 - 1.035	
METHOD : PKA CHANGE OF PRETREATED POLYELECTROLYTES			

CHEMICAL EXAMINATION, URINE











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17/05/2022 14:54

CLIENT PATIENT ID :

ACCESSION NO: 0028VE000539 AGE: 32 Years SEX: Male

DRAWN : RECEIVED : 14/05/2022 11:14

REFERRING DOCTOR : DR. MEDIWHEEL

Test Report Status <u>Final</u>	Results	Biological Reference Interval Units	S
PH	6.0	4.7 - 7.5	
METHOD : DOUBLE INDICATOR PRINCIPLE			
PROTEIN	NOT DETECTED	NOT DETECTED	
METHOD : PROTEIN- ERROR INDICATOR			
GLUCOSE	NOT DETECTED		
METHOD : OXIDASE-PEROXIDASE REACTION			
KETONES	NOT DETECTED	NOT DETECTED	
METHOD : ACETOACETIC REACTION WITH NITROPRUSSIDE			
BLOOD	NOT DETECTED	NOT DETECTED	
METHOD : PEROXIDASE-LIKE ACTIVITY OF HEMOGLOBIN			
BILIRUBIN	NOT DETECTED	NOT DETECTED	
METHOD : DIAZOTIZATION			
UROBILINOGEN	NORMAL	NORMAL	
METHOD : MODIFIED EHRLICH REACTION			
NITRITE	NOT DETECTED	NOT DETECTED	
METHOD : CONVERTION OF NITRATE TO NITRITE			
MICROSCOPIC EXAMINATION, URINE			
PUS CELL (WBC'S)	3-5	0-5 /HPF	
METHOD : MICROSCOPIC EXAMINATION			
EPITHELIAL CELLS	0-1	0-5 /HPF	
METHOD : MICROSCOPIC EXAMINATION			
ERYTHROCYTES (RBC'S)	NOT DETECTED	NOT DETECTED /HPF	
METHOD : MICROSCOPIC EXAMINATION			
CASTS	NOT DETECTED		
METHOD : MICROSCOPIC EXAMINATION			
CRYSTALS	NOT DETECTED		
METHOD : MICROSCOPIC EXAMINATION			
BACTERIA	DETECTED (FEW)	NOT DETECTED	
METHOD : MICROSCOPIC EXAMINATION			
YEAST	NOT DETECTED	NOT DETECTED	
REMARKS	PLEASE NOTE THAT GRAI	TON DONE ON CENTRIFUGED URINE DING OF BACTERIA NEEDS TO BE CORELAT ASE FOUND SIGNIFICANT CLINICALLY. THE	

137.0

METHOD : MANUAL

THYROID PANEL, SERUM

Т3

METHOD : ECLIA



80.00 - 200.00

BACTERIA CAN ALSO BE A PART OF SURROUNDING SKIN FLORA.

ng/dL







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Test Report Status <u>Final</u>	Results	Biological Reference	Interval Units
Τ4	8.66	5.10 - 14.10	µg/dL
METHOD : ECLIA TSH 3RD GENERATION METHOD : ECLIA	2.660	0.270 - 4.200	µIU/mL

Comments

Note: TSH

Please note that TSH values can show a diurnal variation (up to 50%). Subclinical thyroid/ gut diseases/ intake of calcium, multivitamin and several other drugs, resistance to thyroid hormones, noncompliance to medication can lead to discrepant thyroid results, the levels of thyroid can also be affected by weather, high fiber diet, estrogen surge, stress, alcohol, pregnancy, obesity/weight loss. The results can vary on different instruments. Serum TSH changes significantly in response to even minor changes in thyroid hormones. For the diagnosis of hypo and hyper thyroids, sole dependence on TSH should not be done and testing also needs to be performed for T3, T4 and other metabolic parameters as well as reasons elicited above.

ABO GROUP & RH TYPE, EDTA WHOLE BLOOD

ABO GROUP TYPE A METHOD : COLUMN AGGLUTINATION TECHNOLOGY/AGGLUTINATION TECHNOLOGY RH TYPE POSITIVE

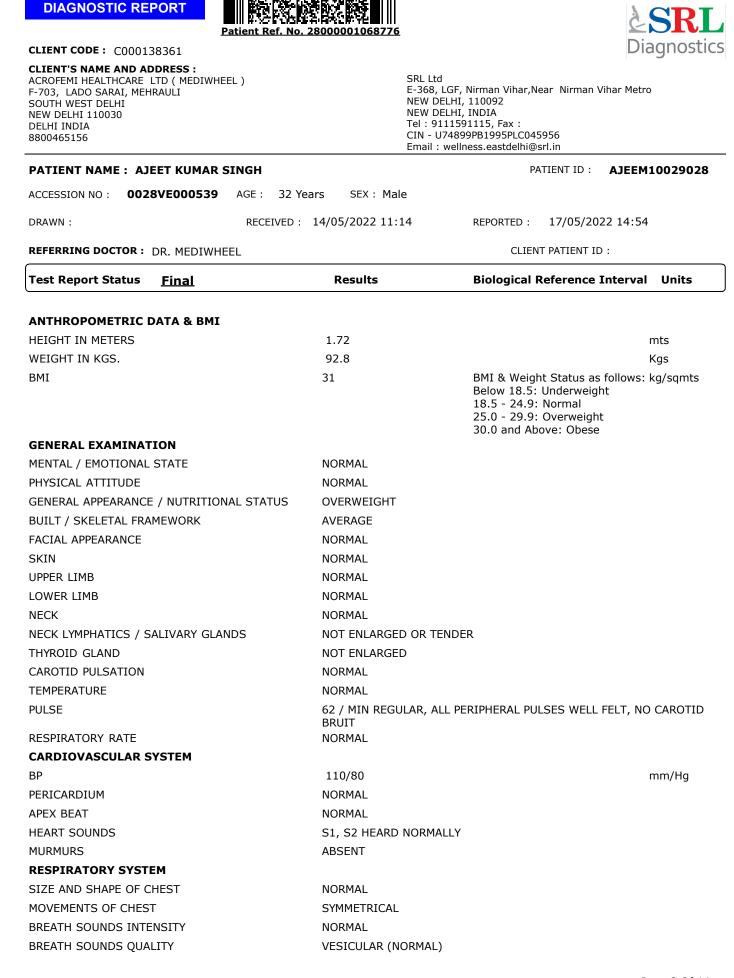
METHOD : COLUMN AGGLUTINATION TECHNOLOGY/AGGLUTINATION TECHNOLOGY

XRAY-CHEST

»»	BOTH THE LUNG FIELDS ARE CLEAR
»»	BOTH THE COSTOPHRENIC AND CARIOPHRENIC ANGELS ARE CLEAR
»»	BOTH THE HILA ARE NORMAL
»»	CARDIAC AND AORTIC SHADOWS APPEAR NORMAL
»»	BOTH THE DOMES OF THE DIAPHRAM ARE NORMAL
»»	VISUALIZED BONY THORAX IS NORMAL
IMPRESSION	NO ABNORMALITY DETECTED
TMT OR ECHO	
TMT OR ECHO	PENDING
ECG	
ECG	WITHIN NORMAL LIMITS
MEDICAL HISTORY	
RELEVANT PRESENT HISTORY	NOT SIGNIFICANT
RELEVANT PAST HISTORY	NOT SIGNIFICANT
RELEVANT PERSONAL HISTORY	MARRIED,NON VEGETARIAN
RELEVANT FAMILY HISTORY	FATHER-DIABETS MELLITUS
OCCUPATIONAL HISTORY	NOT SIGNIFICANT
HISTORY OF MEDICATIONS	NOT SIGNIFICANT

















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REFERRING DOCTOR : DR. MEDIWHEEL

Test Report Status <u>Final</u>	Results	Biological Reference Interval	Units
ADDED SOUNDS	ABSENT		
	NORMA		
APPEARANCE	NORMAL		
VENOUS PROMINENCE	ABSENT		
LIVER	NOT PALPABLE		
SPLEEN	NOT PALPABLE		
CENTRAL NERVOUS SYSTEM			
HIGHER FUNCTIONS	NORMAL		
CRANIAL NERVES	NORMAL		
CEREBELLAR FUNCTIONS	NORMAL		
SENSORY SYSTEM	NORMAL		
MOTOR SYSTEM	NORMAL		
REFLEXES	NORMAL		
MUSCULOSKELETAL SYSTEM			
SPINE	NORMAL		
JOINTS	NORMAL		
BASIC EYE EXAMINATION			
CONJUNCTIVA	NORMAL		
EYELIDS	NORMAL		
EYE MOVEMENTS	NORMAL		
CORNEA	NORMAL		
DISTANT VISION RIGHT EYE WITHOUT GLASSES	NORMAL		
DISTANT VISION LEFT EYE WITHOUT GLASSES	NORMAL		
NEAR VISION RIGHT EYE WITHOUT GLASSES	NORMAL		
NEAR VISION LEFT EYE WITHOUT GLASSES	NORMAL		
COLOUR VISION	NORMAL		
BASIC ENT EXAMINATION			
EXTERNAL EAR CANAL	NORMAL		
TYMPANIC MEMBRANE	NORMAL		
NOSE	NO ABNORMALITY DETECT	ΈD	
SINUSES	CLEAR		
THROAT	NO ABNORMALITY DETECT	ΈD	
TONSILS	NOT ENLARGED		
SUMMARY			











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RECEIVED : 14/05/2022 11:14 DRAWN :

CLIENT PATIENT ID :

REFERRING DOCTOR : DR. MEDIWHEEL

Test Report Status	<u>Final</u>	Results	Biological Reference Interval Units	
RELEVANT HISTORY		NOT SIGNIFICANT		
RELEVANT GP EXAMIN	ATION FINDINGS	NOT SIGNIFICANT		
RELEVANT NON PATHO	LOGY DIAGNOSTICS	CHEST X RAY PA-NO	D ABNORMALITIES DETECTED	
REMARKS / RECOMMEN	NDATIONS		PHYSICIAN WITH ALL REPORTS FOR FURTHER IERAL PHYSICAL EXAMINATION IS NORMAL."	

Interpretation(s)

BLOOD COUNTS, EDTA WHOLE BLOOD-The cell morphology is well preserved for 24hrs. However after 24-48 hrs a progressive increase in MCV and HCT is observed leading to a decrease in MCHC. A direct smear is recommended for an accurate differential count and for examination of RBC morphology. RBC AND PLATELET INDICES-

Mentzer index (MCV/RBC) is an automated cell-counter based calculated screen tool to differentiate cases of Iron deficiency anaemia(>13) from Beta thalassaemia trait (<13) in patients with microcytic anaemia. This needs to be interpreted in line with clinical correlation and suspicion. Estimation of HbA2 remains the gold standard for diagnosing a case of beta thalassaemia trait.

WBC DIFFERENTIAL COUNT - NLR-The optimal threshold of 3.3 for NLR showed a prognostic possibility of clinical symptoms to change from mild to severe in COVID positive patients. When age = 49.5 years old and NLR = 3.3, 46.1% COVID-19 patients with mild disease might become severe. By contrast, when age < 49.5 years old and NLR < 3.3, COVID-19 patients tend to show mild disease

(Reference to - The diagnostic and predictive role of NLR, d-NLR and PLR in COVID-19 patients ; A.-P. Yang, et al.; International Immunopharmacology 84 (2020) 106504 This ratio element is a calculated parameter and out of NABL scope. ERYTHRO SEDIMENTATION RATE, BLOOD-

Erythrocyte sedimentation rate (ESR) is a non - specific phenomena and is clinically useful in the diagnosis and monitoring of disorders associated with an increased age, sex, menstrual cycle and drugs (eg. corticosteroids, contraceptives). It is especially low (0 -1mm) in polycythaemia, hypofibrinogenemia or congestive cardiac failure and when there are abnormalities of the red cells such as poikilocytosis, spherocytosis or sickle cells.

Reference :

1. Nathan and Oski's Haematology of Infancy and Childhood, 5th edition 2. Paediatric reference intervals. AACC Press, 7th edition. Edited by S. Soldin

3. The reference for the adult reference range is "Practical Haematology by Dacie and Lewis, 10th Edition"

GLUCOSE, FASTING, PLASMA-

ADA 2021 guidelines for adults, after 8 hrs fasting is as follows:

Pre-diabetics: 100 - 125 mg/dL Diabetic: > or = 126 mg/dL

GLYCOSYLATED HEMOGLOBIN, EDTA WHOLE BLOOD-

Glycosylated hemoglobin (GHb) has been firmly established as an index of long-term blood glucose concentrations and as a measure of the risk for the development of complications in patients with diabetes mellitus. Formation of GHb is essentially irreversible, and the concentration in the blood depends on both the life span of the red blood cell (average 120 days) and the blood glucose concentration. Because the rate of formation of GHb is directly proportional to the concentration of glucose in the blood, the GHb concentration represents the integrated values for glucose over the preceding 6-8 weeks.

Any condition that alters the life span of the red blood cells has the potential to alter the GHb level. Samples from patients with hemolytic anemias will exhibit decreased glycated hemoglobin values due to the shortened life span of the red cells. This effect will depend upon the severity of the anemia. Samples from patients with polycythemia or post-splenectomy may exhibit increased glycated hemoglobin values due to a somewhat longer life span of the red cells. Glycosylated hemoglobins results from patients with HbSS, HbCC, and HbSC and HbD must be interpreted with caution, given the pathological processes, including anemia, increased red cell turnover, transfusion requirements, that adversely impact HbA1c as a marker of long-term glycemic control. In these conditions, alternative forms of

testing such as glycated serum protein (fructosamine) should be considered.

Targets should be individualized; More or less stringent glycemic goals may be appropriate for individual patients. Goals should be individualized based on duration of diabetes, age/life expectancy, comorbid conditions, known CVD or advanced microvascular complications, hypoglycemia unawareness, and individual patient considerations."

References

1. Tietz Textbook of Clinical Chemistry and Molecular Diagnostics, edited by Carl A Burtis, Edward R.Ashwood, David E Bruns, 4th Edition, Elsevier publication, 2006, 879-884.

 Forsham PH. Diabetes Mellitus: A rational plan for management. Postgrad Med 1982, 71,139-154.
 Mayer TK, Freedman ZR: Protein glycosylation in Diabetes Mellitus: A review of laboratory measurements and their clinical utility. Clin Chim Acta 1983, 127, 147-184. GLUCOSE, POST-PRANDIAL, PLASMA-ADA Guidelines for 2hr post prandial glucose levels is only after ingestion of 75grams of glucose in 300 ml water, over a period of 5 minutes

CORONARY RISK PROFILE (LIPID PROFILE), SERUM.-



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Test Report Status <u>Final</u>	Results	Biological Reference Interval Units
REFERRING DOCTOR : DR. MEDIWHEE	L	CLIENT PATIENT ID :
DRAWN :	RECEIVED : 14/05/2022 11:14	REPORTED : 17/05/2022 14:54
PATIENT NAME : AJEET KUMAR SI ACCESSION NO : 0028VE000539	NGH AGE : 32 Years SEX : Male	PATIENT ID : AJEEM10029028
CLIENT CODE : COUUI38361 CLIENT'S NAME AND ADDRESS : ACROFEMI HEALTHCARE LTD (MEDIWHEEL F-703, LADO SARAI, MEHRAULI SOUTH WEST DELHI NEW DELHI 110030 DELHI INDIA 8800465156	E-368, L NEW DEI NEW DEI Tel : 911 CIN - U7	GF, Nirman Vihar,Near Nirman Vihar Metro LHI, 110092 LHI, INDIA 11591115, Fax : '4899PB1995PLC045956 wellness.eastdelhi@srl.in
CLIENT CODE : C000138361		Diagnostics

Patient Ref. No. 28000001068776

Serum cholesterol is a blood test that can provide valuable information for the risk of coronary artery disease This test can help determine your risk of the build up of plaques in your arteries that can lead to narrowed or blocked arteries throughout your body (atherosclerosis). High cholesterol levels usually don't cause any signs or symptoms, so a cholesterol test is an important tool. High cholesterol levels often are a significant risk factor for heart disease and important for diagnosis of hyperlipoproteinemia, atherosclerosis, hepatic and thyroid diseases.

Serum Triglyceride are a type of fat in the blood. When you eat, your body converts any calories it doesn't need into triglycerides, which are stored in fat cells. High triglyceride levels are associated with several factors, including being overweight, eating too many sweets or drinking too much alcohol, smoking, being sedentary, or having diabetes with elevated blood sugar levels. Analysis has proven useful in the diagnosis and treatment of patients with diabetes mellitus, nephrosis, liver obstruction, other diseases involving lipid metabolism, and various endocrine disorders. In conjunction with high density lipoprotein and total serum cholesterol, a triglyceride determination provides valuable information for the assessment of coronary heart disease risk. It is done in fasting state.

High-density lipoprotein (HDL) cholesterol. This is sometimes called the ""good" cholesterol because it helps carry away LDL cholesterol, thus keeping arteries open and blood flowing more freely. HDL cholesterol is inversely related to the risk for cardiovascular disease. It increases following regular exercise, moderate alcohol consumption and with oral estrogen therapy. Decreased levels are associated with obesity, stress, cigarette smoking and diabetes mellitus.

SERUM LDL The small dense LDL test can be used to determine cardiovascular risk in individuals with metabolic syndrome or established/progressing coronary artery disease, individuals with triglyceride levels between 70 and 140 mg/dL, as well as individuals with a diet high in trans-fat or carbohydrates. Elevated sdLDL levels are associated with metabolic syndrome and an 'atherogenic lipoprotein profile', and are a strong, independent predictor of cardiovascular disease. Elevated levels of LDL arise from multiple sources. A major factor is sedentary lifestyle with a diet high in saturated fat. Insulin-resistance and pre-diabetes have also been implicated, as has genetic predisposition. Measurement of sdLDL allows the clinician to get a more comprehensive picture of lipid risk factors and tailor treatment accordingly. Reducing LDL levels will reduce the risk of CVD and MI.

Non HDL Cholesterol - Adult treatment panel ATP III suggested the addition of Non-HDL Cholesterol as an indicator of all atherogenic lipoproteins (mainly LDL and VLDL). NICE guidelines recommend Non-HDL Cholesterol measurement before initiating lipid lowering therapy. It has also been shown to be a better marker of risk in both primary and secondary prevention studies.

Recommendations:

Results of Lipids should always be interpreted in conjunction with the patient's medical history, clinical presentation and other findings.

NON FASTING LIPID PROFILE includes Total Cholesterol, HDL Cholesterol and calculated non-HDL Cholesterol. It does not include triglycerides and may be best used in patients for whom fasting is difficult.

LIVER FUNCTION PROFILE, SERUM-LIVER FUNCTION PROFILE

DIAGNOSTIC REPORT

Bilirubin is a yellowish pigment found in bile and is a breakdown product of normal heme catabolism. Bilirubin is excreted in bile and urine, and elevated levels may give yellow discoloration in jaundice. Elevated levels results from increased bilirubin production (eg, hemolysis and ineffective erythropoiesis), decreased bilirubin excretion (eg, obstruction and hepatitis), and abnormal bilirubin metabolism (eg, hereditary and neonatal jaundice). Conjugated (direct) bilirubin is elevated more than unconjugated (indirect) bilirubin in Viral hepatitis, Drug reactions, Alcoholic liver disease Conjugated (direct) bilirubin is also elevated more than unconjugated (indirect) bilirubin when there is some kind of blockage of the bile ducts like in Gallstones getting into the bile ducts, tumors &Scarring of the bile ducts. Increased unconjugated (indirect) bilirubin may be a result of Hemolytic or pernicious anemia, Transfusion reaction & a common metabolic condition termed Gilbert syndrome, due to low levels of the enzyme that attaches sugar molecules to bilirubin. AST is an enzyme found in various parts of the body. AST is found in the liver, heart, skeletal muscle, kidneys, brain, and red blood cells, and it is commonly measured

clinically as a marker for liver health. AST levels increase during chronic viral hepatitis, blockage of the bile duct, cirrhosis of the liver, liver cancer, kidney failure, hemolytic anemia.pancreatitis, hemochromatosis. AST levels may also increase after a heart attack or strenuous activity. ALT test measures the amount of this enzyme in the blood. ALT is found mainly in the liver, but also in smaller amounts in the kidneys,heart,muscles, and pancreas. It is commonly measured as a part of a diagnostic evaluation of hepatocellular injury, to determine liver health.AST levels increase during acute hepatitis, sometimes due to a viral infection, ischemia to the liver, chronic hepatitis, obstruction of bile ducts, cirrhosis.

ALP is a protein found in almost all body tissues. Tissues with higher amounts of ALP include the liver, bile ducts and bone. Elevated ALP levels are seen in Biliary obstruction, Osteoblastic bone tumors, osteomalacia, hepatitis, Hyperparathyroidism, Leukemia, Lymphoma, Paget's disease, Rickets, Sarcoidosis etc. Lower-than-normal ALP levels seen in Hypophosphatasia, Malnutrition, Protein deficiency, Wilson's disease. GGT is an enzyme found in cell membranes of many tissues mainly in the liver, kidney and pancreas. It is also found in other tissues including intestine, spleen, heart, brain and seminal vesicles. The highest concentration is in the kidney, but the liver is considered the source of normal enzyme activity. Serum GGT has been widely used as an index of liver dysfunction. Elevated serum GGT activity can be found in diseases of the liver, biliary system and pances. Conditions that increase serum GGT are obstructive liver disease, high alcohol consumption and use of enzyme-inducing drugs etc. Serum total protein, also known as total protein, is a biochemical test for measuring the total amount of protein in serum. Protein in the plasma is made up of albumin and globulin. Higher-than-normal levels may be due to: Chronic inflammation or infection, including HIV and hepatitis B or C, Multiple myeloma, Waldenstrom's disease. Lower-than-normal levels may be due to: Agammaglobulinemia, Bleeding (hemorrhage), Burns, Glomerulonephritis, Liver disease, Malabsorption, Malnutrition, Nephrotic syndrome, Protein-losing enteropathy etc. Human serum albumin is the most abundant protein in human blood plasma. It is produced in the liver. Albumin constitutes about half of the blood serum protein. Low blood albumin levels (hypoalbuminemia) can be caused by: Liver disease like cirrhosis of the liver, nephrotic syndrome, protein-losing enteropathy, Burns, hemodilution, increased vascular permeability or decreased lymphatic clearance, malnutrition and wasting etc

SERUM BLOOD UREA NITROGEN-

Causes of Increased levels

Pre renal

• High protein diet, Increased protein catabolism, GI haemorrhage, Cortisol, Dehydration, CHF Renal Renal Failure

Post Renal

Malignancy, Nephrolithiasis, Prostatism



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Trilodothyronine T3, is a thyroid hormone. It affects almost every physiological process in the body, including growth, development, metabolism, body temperature, and heart rate. Production of T3 and its prohormone thyroxine (T4) is activated by thyroid-stimulating hormone (TSH), which is released from the pituitary gland. Elevated concentrations of T3, and T4 in the blood inhibit the production of TSH.

Thyroxine T4, Thyroxine's principal function is to stimulate the metabolism of all cells and tissues in the body. Excessive secretion of thyroxine in the body is hyperthyroidism, and deficient secretion is called hypothyroidism. Most of the thyroid hormone in blood is bound to transport proteins. Only a very small fraction of the hyperthyroldism, and denice in section is care in positive and in positive and the second and th

Levels in	TOTAL 14	ISH3G	TOTAL 13
Pregnancy	(µg/dL)	(µIU/mL)	(ng/dL)



DIAGNOSTIC REPORT







CLIENT'S NAME AND ADDRESS :

ACROFEMI HEALTHCARE LTD (MEDIWHEEL) F-703, LADO SARAI, MEHRAULI SOUTH WEST DELHI NEW DELHI 110030 DELHI INDIA 8800465156

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NEW DELHI, 110092	
NEW DELHI, INDIA	
Tel : 9111591115, Fax :	
CIN - U74899PB1995PLC045956	
Email : wellness.eastdelhi@srl.in	
	_

REPORTED :

PATIENT NAME : AJEET KUMAR SINGH

PATIENT ID : AJEEM10029028

17/05/2022 14:54

CLIENT PATIENT ID :

ACCESSION NO : 0028VE000539 AGE : 32 Years SEX: Male

RECEIVED : 14/05/2022 11:14

REFERRING DOCTOR : DR. MEDIWHEEL

Test Report	Status <u>Fin</u>	al	Results	Biological Reference Interval Units
First Trimester	6.6 - 12.4	0.1 - 2.5	81 - 190	
2nd Trimester	6.6 - 15.5	0.2 - 3.0	100 - 260	
3rd Trimester	6.6 - 15.5	0.3 - 3.0	100 - 260	
Below mentioned	are the guidelines for	or age related refere	nce ranges for T3 and T4.	
Т3		T4		
((11)		((11)		

(µg/dL) 1-3 day: 8.2 - 19.9 1 Week: 6.0 - 15.9 (ng/dL) New Born: 75 - 260

NOTE: TSH concentrations in apparently normal euthyroid subjects are known to be highly skewed, with a strong tailed distribution towards higher TSH values. This is well documented in the pediatric population including the infant age group. Kindly note: Method specific reference ranges are appearing on the report under biological reference range.

Reference:

DRAWN:

Burtis C.A., Ashwood E. R. Bruns D.E. Teitz textbook of Clinical Chemistry and Molecular Diagnostics, 4th Edition.
 Gowenlock A.H. Varley's Practical Clinical Biochemistry, 6th Edition.

 Behrman R.E. Kilegman R.M., Jenson H. B. Nelson Text Book of Pediatrics, 17th Edition
 ABO GROUP & RH TYPE, EDTA WHOLE BLOOD Blood group is identified by antigens and antibodies present in the blood. Antigens are protein molecules found on the surface of red blood cells. Antibodies are found in plasma. To determine blood group, red cells are mixed with different antibody solutions to give A,B,O or AB.

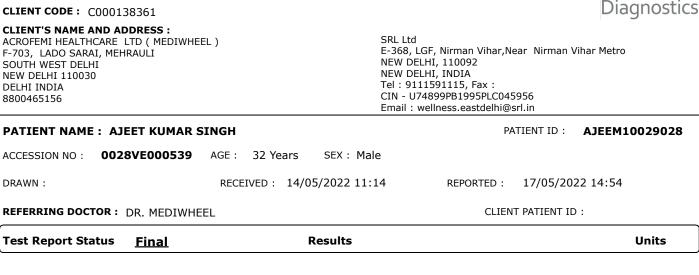
Disclaimer: "Please note, as the results of previous ABO and Rh group (Blood Group) for pregnant women are not available, please check with the patient records for availability of the same.

The test is performed by both forward as well as reverse grouping methods. MEDICAL

THIS REPORT CARRIES THE SIGNATURE OF OUR LABORATORY DIRECTOR. THIS IS AN INVIOLABLE FEATURE OF OUR LAB MANAGEMENT SOFTWARE. HOWEVER, ALL EXAMINATIONS AND INVESTIGATIONS HAVE BEEN CONDUCTED BY OUR PANEL OF DOCTORS.







Patient Ref. No. 28000001068776

MEDI WHEEL FULL BODY HEALTH CHECK UP BELOW 40 MALE

ULTRASOUND ABDOMEN ULTRASOUND ABDOMEN PENDING

DIAGNOSTIC REPORT

End Of Report Please visit www.srlworld.com for related Test Information for this accession

Dr. Shyla Goel, M.B.B.S , DCP Pathologist

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	SRL Limited

SRL Limited Fortis Hospital, Sector 62, Phase VIII, Mohali 160062



